

APNIC Update

ARIN XXVI

6-8 October 2010

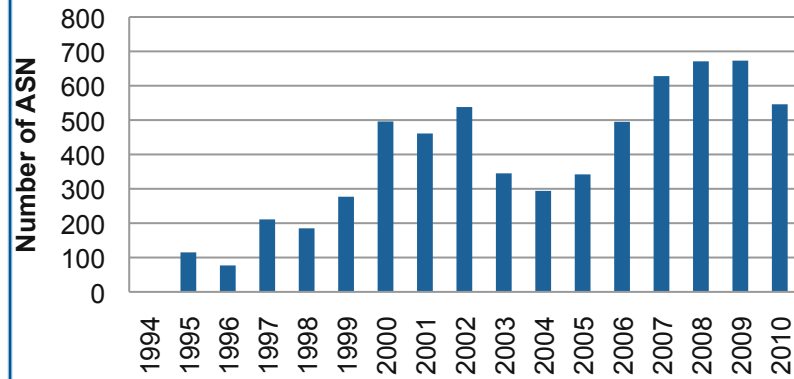
Geoff Huston
Chief Scientist, APNIC

Overview

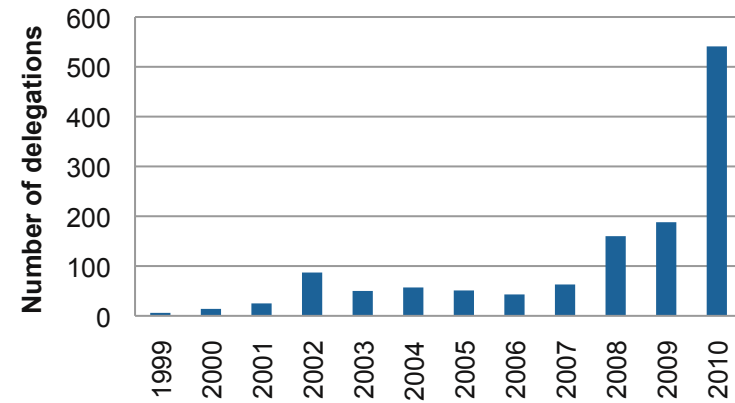
- Services update
- APNIC policy updates
- APNIC activities
 - R&D
 - Technical Developments
 - IPv6 Program
 - Training
 - Internet Governance
- Other news
- Upcoming Meetings

Resource Delegations

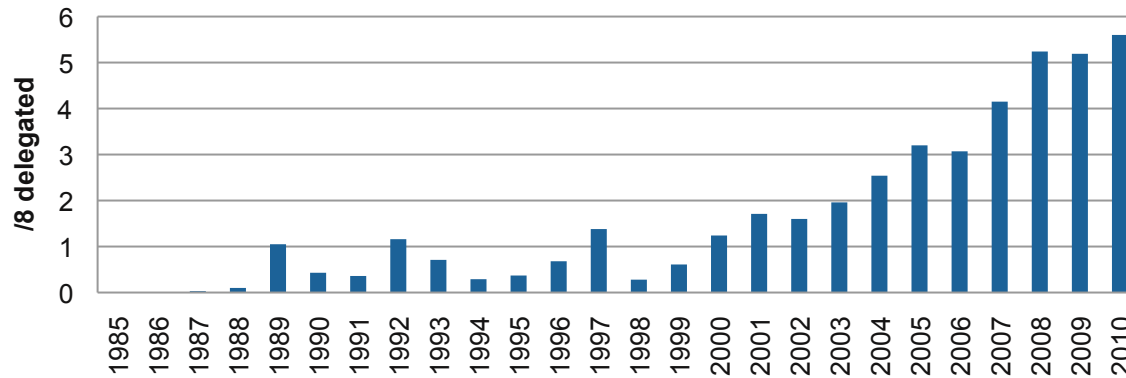
ASN



IPv6



IPv4



Resource Services

- IPv4 requests still strong
 - Mobile, wireless, ADSL networks
 - Growth economies: CN, KR, JP, IN, VN
- Very high IPv6 take up
 - 541 delegations in 2010 so far (188 in 2009)
- Resource Quality Assurance
 - APNIC tests all IANA allocations prior to distribution
 - Outreach to network operators to remove outdated filters
 - 49.0.0.0/8 and 101.0.0.0/8 tested and deployed

Member Services

- ***Membership*** total: 2,428
- New Members in 2010: 332
- Total MyAPNIC users: 3,180
- Top 5 helpdesk service requests in the last 6 months:
 - Reverse DNS registration
 - How to make assignment records
 - Whois record updates
 - MyAPNIC access
 - Contact person changes

APNIC Policy Updates

Proposal	Title	Overview
Prop-079 Implement November 2010	Abuse contact information	This is a proposal to introduce a mandatory abuse contact field for objects in the APNIC Whois Database to provide a more efficient way for abuse reports to reach the correct network contact.
Prop-080 Implemented 5 July 2010	Removal of IPv4 prefix exchange policy	This is a proposal to remove the policy that currently permits resource holders to return three or more noncontiguous IPv4 address blocks and have the prefixes replaced with a single, larger, contiguous block.
Prop-082 Implemented 5 July 2010	Removing aggregation criteria for IPv6 initial allocations	This is a proposal to remove the aggregation requirement from the IPv6 initial allocation policy.

No policy proposals reached consensus during APNIC 30

<http://www.apnic.net/policy/proposals>

Research and Development

- Routing research
- RPKI (joint with other RIRs/NRO)
- DNS service dynamics
- DNSSEC implementation
- Expanded network measurement/
monitoring
 - Test Traffic Measurement (TTM)
 - 'Day In the Life of the Internet' (DITL)
 - 3.4Tb of data collected over 3 days in 2010

Research and Development

- IPv6 uptake measurements
 - Web metrics (collaborating with RIPE NCC)
 - DNS metrics
- Global RPKI system by 1 January 2011
 - In conjunction with the NRO ECG
 - Sharing source code and expertise with AfriNIC

Technical Developments

- New co-location facility in 'triangle architecture' for reliability and DRP
- DNSSEC running smoothly since April
- Implementing Agile software development methodologies

IPv6 Program Update

- APNIC now serves as the new Secretariat for the Asia Pacific IPv6 Task Force (APIIPv6TF)
- APNIC worked closely with APEC TEL WG on two IPv6 workshops this year
 - Workshop on IPv6: Transforming the Internet, APEC TEL 41, Taipei, Taiwan
 - Workshop on IPv6: Securing sustainable growth of the Internet, APEC TEL 42, Bandar Seri Begawan, Brunei Darussalam

Training and Education

- eLearning Interactive
 - Successfully offering two sub-regional training courses per month:
 - 18 eLearning web classes
 - 245 attendees



Flexible
Free
Accessible

APNIC
eLearning
Learning in real time.

Internet Governance

- APNIC was one of the main organizers and sponsors of the first Asia Pacific IGF in Hong Kong.
- APNIC co-hosted remote hubs in the Asia Pacific region in support of the IGF in Lithuania
 - Dhaka Bangladesh
 - Manila Philippines
 - Hong Kong SAR China
 - Jakarta Indonesia

New Building

- Lower operating costs
- Size and location suits APNIC's future needs



[Google Map Location](#)



Next APNIC Meeting

A banner for APNIC 31. It features a red wavy background. On the left, the text 'APNIC 31' is written in white. To the right of this, the dates '21 - 25 February 2011' and the location 'Hong Kong SAR, China' are written in white. In the background, there is a grey silhouette of the Hong Kong skyline, including the Peak and the Hong Kong Convention and Exhibition Centre. On the right side of the banner, there is a black silhouette of a traditional Chinese junk boat with three large red sails. The boat is positioned on the red wavy background, which represents the sea. The sky above the skyline is blue with white clouds.

APNIC 31

21 - 25 February 2011
Hong Kong SAR, China

APNIC 31 / APRICOT 2011

February 21 – 25

Hong Kong SAR, China

<http://meeting.apnic.net/31>

More APNIC Meetings..

- APNIC 32
 - 29 August – 2 September
 - Busan, South Korea
- APNIC 33 and APRICOT 2012
 - 22 February – 3 March
 - Delhi, India

Thank You

gih@apnic.net